

# EXN45T3HBCU

Low voltage transformer, DOE 2016, dry type,  
3 phase, 45kVA, 480V pri, 208Y/120V sec, Cu,  
80C rise, Type 2



## Main

Range of Product	Square D
Product or Component Type	Transformer
Device short name	DOE 2016
Transformer type	Energy efficient
Device Application	Low voltage electrical distribution

## Complementary

Box number	19M
Phase	3 phase
Rated operational power in VA	45 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	480 V delta
Number of tap-offs	2 2.5 % FCAN 4 2.5 % FCBN
Primary operational current	54.13 A 124.91 A 45 kVA
Secondary voltage	208Y/120 V
Coil Material	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	80 °C 220 °C insulated
DOE Efficiency	98.59 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	1 DB NEMA ST-20 44 dB
%IZ	4.12 %
%IX	3.48 %
X/R Ratio	1.58
Inrush current	562 A
Let Through Current	3.03 kA
Transformer Losses	108 no load (core loss) 1032 load loss (coil loss)
Transformer BTU/HR	466 16.6 % 589 25 % 1249 50 % 2349 75 % 3890 100 %
Height	29.33 in (745 mm)
Depth	25.94 in (659 mm)
Width	25.51 in (648 mm)
Net Weight	509.00 lb(US) (230.88 kg)

Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB18M19M20M Wall, with 7400WMB18M19M20M
Degree of protection	UL type 2 UL type 3R, with 7400WS18M19M20M
Electrical connection	2 Hole Nema Pad secondary 0.44 in (11.1 mm) 4 Hole Nema Pad sec - XO 0.44 in (11.1 mm) 4 Hole Nema Pad primary 0.44 in (11.1 mm)
Number of mounting holes	4 Ø: 0.51 in (13 mm)

## Environment

Ambient air temperature for operation	104 °F (40 °C)
Average ambient air temperature for operation	30 °C
Standards	UL 1561 CSA C22.2 No 47 NEMA ST-20

## Ordering and shipping details

Category	16256-3PH EXN/2016 15-150KVA LVGP XFMR
Discount Schedule	PE2X
GTIN	785901413189
Returnability	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	29.33 in (74.5 cm)
Package 1 Width	25.51 in (64.8 cm)
Package 1 Length	25.94 in (65.9 cm)
Package 1 Weight	755.00 lb(US) (342.462 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Phenyl Glycidyl Ether, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
PVC free	Yes